

Appendix G: Energy Efficiency Measures (cont'd)

Table 6-3: Commercial Measures – Levelized Cost per kWh Saved

Measure	Levelized cost \$ per kWh saved
Space Heating	
High Efficiency Heat Pump	\$0.0050
Ground Source Heat Pump - Heating	\$0.3420
Water Heating End Use	
Heat Pump Water Heater	\$0.0390
Booster Water Heater	\$0.2477
Point of Use Water Heater	\$0.0504
Solar Water Heating System	\$0.0242
Solar Pool Heating	\$0.0802
Envelope	
Double Pane Low Emissivity Windows	\$0.0077
Space Cooling - Chillers	
Centrifugal Chiller, 0.51 kW/ton, 300 tons	\$0.0513
Centrifugal Chiller, 0.51 kW/ton, 500 tons	\$0.0513
Centrifugal Chiller, Optimal Design, 0.4 kW/ton, 500 tons	\$0.0513
Space Cooling - Packaged AC	
DX Packaged system EER = 10.9, 10 tons	\$0.0266
DX Packaged System, CEE Tier 2, <20 Tons	\$0.0179
DX Packaged System, CEE Tier 2, >20 Tons	\$0.0265
Packaged AC - 3 tons, Tier 2	\$0.0488
Packaged AC - 7.5 tons, Tier 2	\$0.0425
Packaged AC - 15 tons, Tier 2	\$0.0405
Ground Source Heat Pump - Cooling	\$0.2589
Space Cooling - Maintenance	
Chiller Tune Up/Diagnostics - 300 ton	\$0.0339
Chiller Tune Up/Diagnostics - 500 ton	\$0.0335
DX Tune Up/ Advanced Diagnostics	\$0.1013
HVAC Controls	
Retrocommissioning	\$0.0145
Programmable Thermostats	\$0.0038
EMS install	\$0.0951
EMS Optimization	\$0.2968
Ventilation	
Dual Enthalpy Economizer - from Fixed Damper	\$0.0483
Dual Enthalpy Economizer - from Dry Bulb	\$0.0329